

SEQUENCE LISTING

<110> Braun et. al.

<120> METHODS FOR GENERATING DATABASES AND DATABASES FOR IDENTIFYING
POLYMORPHIC GENETIC MARKERS

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ccc cgc acc ctg cgt ccc gac ccg ggc ccc gcc atg tcc ttc ttc cgg 218
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 Ile Ser Ala Asn Met Asp Ser Phe Ser Ser Ser Arg Thr Ala Thr Leu
 80 85 90

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 Lys Lys Gln Pro Ser His Met Glu Ala Ala His Phe Gly Asp Leu Gly
 95 100 105

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09637483-101300

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590

595

600

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 620 625 630 635

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 Trp Lys Ile Ala Lys Met Ile Val Ser Asp Val Met Gln Gln Ala Gln
 640 645 650

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 Tyr Asp Gln Pro Leu Glu Lys Ser Thr Lys Leu *
 655 660

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 Ala Ala Gly Pro Ser His Val Ala Ile Asn Ala Ile Ser Ala Asn Met
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 85 90 95
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tccgcaagg	ccaggtgtgt	tgccactcca	ttcacttgc	gcagagactg	aggtttttcc	161580
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caagtctctg	aacagggtct	accttagagt	aaggcttaga	agaggccgta	aagtcagttc	161700
cagctcctg	gctctgcaga	gctttgggac	atgtgaattc	ttaaaaacaa	gactattgta	161760
cagttactat	atgcatgcag	tataaaatta	taaccttggga	aaatcctagc	tagctgttga	161820
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gagtaaacac	tgtgtgtg	aggcagcgtc	tcatttgatc	cttgtgataa	tcttgtgaagt	161940
actgattttc	tcccttctt	aaacaaagtt	tttttttttt	tttttagagag	ggtctcacta	162000
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<210> 37
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<221> CDS
<222> (213) ... (920)

<300>
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<309> 1999-10-26
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ccggcccgccg accccactct ctgccgtttcc ggctgcggct ccgctgcggg ttagcgcgctc    180
ccccgggacc  acccttcggc tggcgccctc cc atg ctc tcg gcc acc cgg agg      233
                Met Leu Ser Ala Thr Arg Arg
                  1             5
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gct tgc cag ctc ctc ctc ctc cac agc ctc ttt ccc gtc ccg agg atg 281

Ala	Cys	Gln	Leu	Leu	Leu	Leu	His	Ser	Leu	Phe	Pro	Val	Pro	Arg	Met	
		10					15					20				
ggc	aac	tcg	gcc	tcg	aac	atc	gtc	agc	ccc	cag	gag	gcc	ttg	ccg	ggc	329
Gly	Asn	Ser	Ala	Ser	Asn	Ile	Val	Ser	Pro	Gln	Glu	Ala	Leu	Pro	Gly	
	25					30					35					
cgg	aag	gaa	cag	acc	cct	gta	gcg	gcc	aaa	cat	cat	gtc	aat	ggc	aac	377
Arg	Lys	Glu	Gln	Thr	Pro	Val	Ala	Ala	Lys	His	His	Val	Asn	Gly	Asn	
	40				45					50					55	
aga	aca	gtc	gaa	cct	ttc	cca	gag	gga	aca	cag	atg	gct	gta	ttt	gga	425
Arg	Thr	Val	Glu	Pro	Phe	Pro	Glu	Gly	Thr	Gln	Met	Ala	Val	Phe	Gly	
				60					65					70		
atg	gga	tgt	ttc	tgg	gga	gct	gaa	agg	aaa	ttc	tgg	gtc	ttg	aaa	gga	473
Met	Gly	Cys	Phe	Trp	Gly	Ala	Glu	Arg	Lys	Phe	Trp	Val	Leu	Lys	Gly	
			75					80					85			
gtg	tat	tca	act	caa	gtt	ggt	ttt	gca	gga	ggc	tat	act	tca	aat	cct	521
Val	Tyr	Ser	Thr	Gln	Val	Gly	Phe	Ala	Gly	Gly	Tyr	Thr	Ser	Asn	Pro	
		90					95					100				
act	tat	aaa	gaa	gtc	tgc	tca	gaa	aaa	act	ggc	cat	gca	gaa	gtc	gtc	569
Thr	Tyr	Lys	Glu	Val	Cys	Ser	Glu	Lys	Thr	Gly	His	Ala	Glu	Val	Val	
	105					110					115					
cga	gtg	gtg	tac	cag	cca	gaa	cac	atg	agt	ttt	gag	gaa	ctg	ctc	aag	617
Arg	Val	Val	Tyr	Gln	Pro	Glu	His	Met	Ser	Phe	Glu	Glu	Leu	Leu	Lys	
					125					130					135	
gtc	ttc	tgg	gag	aat	cac	gac	ccg	acc	caa	ggt	atg	cgc	cag	ggg	aac	665
Val	Phe	Trp	Glu	Asn	His	Asp	Pro	Thr	Gln	Gly	Met	Arg	Gln	Gly	Asn	
				140					145					150		
gac	cat	ggc	act	cag	tac	cgc	tcg	gcc	atc	tac	ccg	acc	tct	gcc	aag	713
Asp	His	Gly	Thr	Gln	Tyr	Arg	Ser	Ala	Ile	Tyr	Pro	Thr	Ser	Ala	Lys	
			155					160					165			
caa	atg	gag	gca	gcc	ctg	agc	tcc	aaa	gag	aac	tac	caa	aag	gtt	ctt	761
Gln	Met	Glu	Ala	Ala	Leu	Ser	Ser	Lys	Glu	Asn	Tyr	Gln	Lys	Val	Leu	
		170					175					180				
tca	gag	cac	ggc	ttc	ggc	ccc	atc	act	acc	gac	atc	cgg	gag	gga	cag	809
Ser	Glu	His	Gly	Phe	Gly	Pro	Ile	Thr	Thr	Asp	Ile	Arg	Glu	Gly	Gln	
	185					190					195					
act	ttc	tac	tat	gcg	gaa	gac	tac	cac	cag	cag	tac	ctg	agc	aag	aac	857
Thr	Phe	Tyr	Tyr	Ala	Glu	Asp	Tyr	His	Gln	Gln	Tyr	Leu	Ser	Lys	Asn	
	200			205					210					215		
ccc	aat	ggc	tac	tgc	ggc	ctt	ggg	ggc	acc	ggc	gtg	tcc	tgc	cca	gtg	905
Pro	Asn	Gly	Tyr	Cys	Gly	Leu	Gly	Gly	Thr	Gly	Val	Ser	Cys	Pro	Val	
				220					225				230			
ggt	att	aaa	aaa	taa	ttg	ctcccc	cat	ggtgggc	ctttg	agggtt	ccag	taaaaa				960
Gly	Ile	Lys	Lys	*												
			235													
tgcttttcaac	aaattggggca		atgcttgtgt		gattcacaat		cgtggcattt		aaagtgcaca							1020
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tttatctgtg	ctctctgccc		gccagtgcct		tacaatttgc		aaacgtgtat		agcctcagtg							1320
actcattcgc	tqaaatcctt		cqctttacca													1350

096843-101300

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<210> 39
<211> 481
<212> DNA
<213> Homo Sapien
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<400>	39						
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gagaaagtcc	cttatgtatg	tctagatttg	gtaaagcgaa	ggatttcagc	gaatgagtca		180
ctgaggctat	acacgtttgc	aaattgttaag	gcactggcgg	gcagagagca	cagataaagg		240
actttctggg	tcccccatcc	tgtccagcaa	cctcccagct	cacaccttag	cttctaccaa		300
gaagggtgaa	cacagcatcc	ctgctatctt	cactcagacc	ccagaaaacc	caggggaaacc		360
cgacagctcc	actcccacca	taacttatta	ggagataagt	cacattttat	caacttgcca		420
tcgcgcctcc	tatagattat	acttcggtaa	acccaatctg	tataaattcc	tttgtacttt		480
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<309> 2000-05-22

97

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agagaaagcc	ccttatgtat	gtctagattt	ggtaaagcga	aggatttcag	cgaatgagtc	180
actgaggcta	tacacgtttg	caaattgtaa	ggcactggcg	ggcagagagc	acagataaag	240
gacttttggg	gggtcccccat	tctgtgccag	caacctccca	gctcacacct	tagcttctac	300
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aaccgcacag	ctccactccc	accataactt				390

<210> 41
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<220>
 <223> Oligonucleotide Primer

<400> 41	agcggataac aatttcacac agggagctag cttggaagat tgc	43
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<210> 42
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 42	gtccaatata tgcaaacagt tg	22
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<210> 43
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 43	agcggataac aatttcacac agg	23
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<210> 44
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide Primer

<400> 44	actgagcctg ctgcataa	18
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<210> 45
 <211> 21
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<220>
 <223> Oligonucleotide Primer

<400> 45	tctcaatcat gtgcattgag g	21
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<210> 46
 <211> 43
 <212> DNA
 <213> Artificial Sequence

00637433-101300


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<220>
<223> Oligonucleotide Primer

<400> 46
agcggataac aatttcacac agggatcaca cagccatcag cag
43

<210> 47
<211> 23
<212> DNA
<213> oligonucleotide primer

<400> 47
agcggataac aatttcacac agg
23

<210> 48
<211> 18
<212> DNA
<213> Oligonucleotide primer

<400> 48
ctggcgccac gtggtcaa
18

<210> 49
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 49
tttctctgca cagagagggc
20

<210> 50
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 50
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44

<210> 51
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 51
agcggataac aatttcacac agg
23

<210> 52
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide Primer

<400> 52
ctgaaaaggg agagaaag
18

<210> 53

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<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Oligonucleotide Primer

```
<210> 54
<211> 22
<212> DNA
<213> Artificial Sequence
```

<400> 54
gtccaatata tgcaaacagt tg 22

```
<210> 55
<211> 20
<212> DNA
<213> Artificial Sequence
```

```
<400> 55
cccacagcag ttaatccttc                                     20
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```
<210> 56
<211> 18
<212> DNA
<213> Artificial Sequence
```

```
<400> 56
gcgctcctgt cggtgcca 18
```

```
<210> 57
<211> 18
<212> DNA
<213> Artificial Sequence
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```
<400> 57
gcctgactgg tggggccc
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<210> 58
<211> 15
<212> DNA
<213> Artificial Sequence
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<400> 58
catgcatgca cggtc 15

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$\langle 211 \rangle$	30

<212> DNA
<213> Artificial Sequence

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<220>
<223> Oligonucleotide primer
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<400> 59
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<210> 60
<211> 15
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide primer

<400>	60	
catgcatgca	cggtt	15

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<210> 61
<211> 30
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide primer

<400> 61
gtacgtacgt gccaaactccc catgagagac 30

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<210> 62
<211> 14
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Oligonucleotide primer
```

<400> 62
catgcatgca cgggt 14

```
<210> 63
<211> 18
<212> DNA
<213> Artificial Sequence
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```
<220>  
<223> Oligonucleotide primer
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```
<400> 63
gcctgactgg tggggccc
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```
<210> 64
<211> 26
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Oligonucleotide primer
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<400> 64
gtgctgcagg tgtaaacttg taccag 26

<210>	65
<211>	28
<212>	DNA


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<220>
<223> Oligonucleotide primer

<400> 71
caatttcaca cagcggatgc ttcttttggc tctgact
37

<210> 72
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 72
tcagtcacga cggttgatgc caataaaagt gactctcagc
40

<210> 73
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 73
cggataacaa tttcggatgc actgggagca ttgaggc
37

<210> 74
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 74
tcagtcacga cggttgatga gcagatccct ggacaggc
38

<210> 75
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 75
cggataacaa tttcggatgg acaaaatacc tgtattcc
38

<210> 76
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 76
tcagtcacga cggttgatgc agagcagctc cgagtc
36

<210> 77
<211> 32
<212> DNA
<213> Artificial Sequence

<220>

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<223> Oligonucleotide primer

```
<400> 77
cagcggatgat cattggatgc aggaagctct gg
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32

```
<210> 78
<211> 38
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide primer

```
<400> 78
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38

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<210> 79
<211> 35
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide primer

<400> 79
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35

```
<210> 80
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<212> DNA
<213> Artificial Sequence
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```
<220>  
<223> Oligonucleotide primer
```

```
<400> 80
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37

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<210> 81
<211> 22
<212> DNA
<213> Artificial Sequence
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```
<220>
<223> Oligonucleotide primer
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```
<400> 81
gctcatacct  tgcaggatga  cg
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22

```
<210> 82
<211> 36
<212> DNA
<213> Artificial Sequence
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```
<220>  
<223> Oligonucleotide primer
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```
<400> 82
tcagtcacga cgttggatga ccagctgttc gtgttc
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36

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<210> 83
<211> 34
<212> DNA
<213> Artificial Sequence
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<220>
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005707" 0842960

<400> 83
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<210> 84
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 84
tcagtcacga cggttgatgg ggaagagcag agatatacgt 40

<210> 85
<211> 29
<212> DNA
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<220>
<223> Oligonucleotide primer

<400> 85
gaggggctga tccaggatgg gtgctccac 29

<210> 86
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 86
tgaagcactt gaaggatgag ggtgtctgcg 30

<210> 87
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 87
cggataacaa ttccggatgc tgcgtgatga tgaaatcg 38

<210> 88
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 88
gatgaagctc ccaggatgcc agaggc 26

<210> 89
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Oligonucleotide primer

<400> 89

qccgccggtg taggatgctg ctggtgc

```
<210> 90
<211> 31
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide Template

<400> 90
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<210> 91
<211> 43
<212> DNA
<213> Artificial Sequence
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<220>
<223> Biotinylatd primer

<400> 91
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<210> 92
<211> 42
<212> DNA
<213> Artificial Sequence
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<220>
<223> Oligonucleotide primer

<400> 92
agcggataac aatttcacac aggccatcac accgcggtac tg

```
<210> 93
<211> 44
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Oligonucleotide primer

```
<400> 93
cccagtcacg acgttgtaaa acgtcttggc cttgcagatc caag
```

```
<210> 94
<211> 42
<212> DNA
<213> Artificial Sequence
```

```
<220>  
<223> Oligonucleotide primer
```

```
<400> 94
agcggataac aatttcacac aggccatcac accgcggtac tg
```

```
<210> 95
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Oligonucleotide primer

```
<400> 95
ctccagctgg gcaggagtgc
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[illegible]

<210> 103
<211> 84
<212> DNA
<213> Homo sapien

<400> 103
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tttgtccttg aagtaacctt tcag 84

<210> 104
<211> 100
<212> DNA
<213> Homo sapien

<400> 104
ctcaccatgg gcatttgatt gcagagcagc tccgagtcgg tccagagctt cctgcagtca 60
atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta 100

<210> 105
<211> 100
<212> DNA
<213> Homo sapien

<400> 105
ctcaccatgg gcatttgatt gcagagcagc tccgagtcga tccagagctt cctgcagtca 60
atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta 100

<210> 106
<211> 100
<212> DNA
<213> Homo sapien

<400> 106
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tggtacatga cgggcatcgt cagctggggc cagggtgctg 100

<210> 107
<211> 100
<212> DNA
<213> Homo sapien

<400> 107
agcaaggact cctgcaaggg ggacagtggg gggccacatg ccacccacta ccggggcacg 60
tggtacatga cgggcatcgt cagctggggc cagggtgctg 100

<210> 108
<211> 100
<212> DNA
<213> Hom sapien

<400> 108
caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcgtggtgcc 60
ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

<210> 109
<211> 100
<212> DNA
<213> Homo sapien

<400> 109
caataactct aatgcagcgg aagatgacct gccacagtg gagcttcagg gcttggtgcc 60
ccggggcgctc aacctgcaag gtatgagcat accccccttc 100

<210> 110
<211> 100
<212> DNA
<213> Homo sapien


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<400> 110
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<210> 111
<211> 100
<212> DNA
<213> Homo sapien

<400> 111
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gtgtggagcc ccgaactcca tgggtttcca gtagaatttc 100

<210> 112
<211> 100
<212> DNA
<213> Homo sapien

<400> 112
ggataacctt ggctgtaccc cctggggaag agcagagata tacgtgccag gtggagcacc 60
caggcctgga tcagccctc attgtgatct gggagccctc 100

<210> 113
<211> 100
<212> DNA
<213> Homo sapien

<400> 113
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caggcctgga tcagccctc attgtgatct gggagccctc 100

<210> 114
<211> 80
<212> DNA
<213> Homo sapien

<400> 114
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ttgaggctga cacattcttc 80

<210> 115
<211> 80
<212> DNA
<213> Homo sapien

<400> 115
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ttgaggctga cacattcttc 80

<210> 116
<211> 80
<212> DNA
<213> Homo sapien

<400> 116
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tcctacaccg gcggcccctg 80

<210> 117
<211> 80
<212> DNA
<213> Homo sapien

<400> 117
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tcctacaccg gcggcccctg 80

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<210> 118
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Hair pin structure

<400> 118
cagagagtac ccctcaaccg tgcattcatg aaacatgcat gcacgggt

48

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